

Converting Colors

$Yxy(35.6825, 0.3474, 0.5136)$

Have a look what the booklet for
Yxy(35.6825, 0.3474, 0.5136)
contains.

Yxy(35.6717, 0.3473, 0.5141)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.6717, 0.3473, 0.5141)

Conversions

Conversions Part 1

Format	Color
Hex	77B13A
RGB	119, 177, 58
RGB Percent	47%, 69%, 23%
CMY	0.5332, 0.3059, 0.7726
CMYK	0.33, 0.00, 0.67, 0.31
HSL	89°, 51%, 46%
HSV	89°, 67%, 69%
XYZ	24.0980, 35.6717, 9.6170
YIQ	146.0920, 3.6310, -49.3050

Conversions

Conversions Part 2

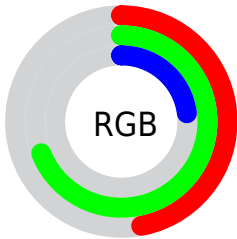
Format	Color
RYB	58, 177, 116
Decimal	7844154
CIELab	66.27, -38.15, 52.77
CIELCh	66, 65.116, 125.860
Yxy	35.6717, 0.3473, 0.5141
Android (android.graphics.Color)	4286034234 (0xFF77B13A)
YUV	146.0920, -43.4294, -23.7597
Hunter-Lab	59.7258, -32.4994, 32.2612

Details

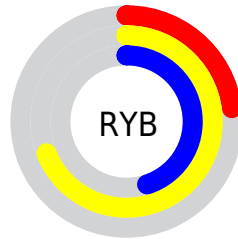
The Yxy color **35.6717, 0.3473, 0.5141** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.9090, 0.2406, 0.1432**, and the grayscale version is **28.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5395, 0.3453, 0.4764**, and **15.5053, 0.3411, 0.5674** is the 20% darker color. If you saturate the color by 10%, you get **34.9403, 0.3469, 0.5365**, and if you desaturate by 10%, it is **36.5235, 0.3455, 0.4879**.

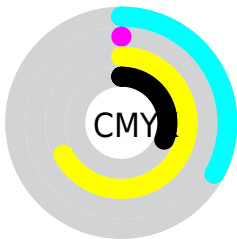
Distribution



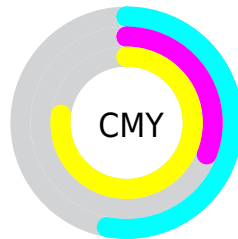
- Red (47%)
- Green (69%)
- Blue (23%)



- Red (23%)
- Yellow (69%)
- Blue (45%)



- Cyan (33%)
- Magenta (0%)
- Yellow (67%)
- Black (31%)





- Cyan (53%)
- Magenta (31%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6717, 0.3473, 0.5141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.6717, 0.3473, 0.5141 by changing the saturation by 10% instead.


 35.6717, 0.3473,
0.5141

 35.6717, 0.3473,
0.5141


327.5233, 0.3357,
0.4138


 24.1808, 0.3470,
0.5403


 68.5250, 0.3451,
0.4764


 15.4678, 0.3442,
0.5737


 90.6562, 0.3436,
0.4625


 9.1483, 0.3364,
0.6175


 117.1029, 0.3421,
0.4510

 4.8381, 0.3196,
0.6804

 148.2496, 0.3407,
0.4412

 2.1526, 0.2661,
0.7339

 184.4805, 0.3393,
0.4328

 0.6939, 0.0000,
1.0000

 226.1802, 0.3380,

 0.0000, 0.0000,

0.4256

0.0000

273.7330, 0.3368,
0.4193

■ 35.6717, 0.3473,
0.5141

■ 35.6717, 0.3473,
0.5141

■ 34.9403, 0.3469,
0.5365

■ 36.5235, 0.3455,
0.4879

■ 34.3164, 0.3444,
0.5541

■ 37.4980, 0.3420,
0.4594

■ 33.7904, 0.3399,
0.5663

■ 38.6034, 0.3370,
0.4300

■ 33.6568, 0.3386,
0.5693

■ 39.8454, 0.3310,
0.4008

■ 41.2296, 0.3245,
0.3729

■ 42.7611, 0.3177,
0.3467

■ 44.4447, 0.3108,
0.3225

■ 46.2851, 0.3042,
0.3006

■ 48.2866, 0.2978,
0.2808

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.6717, 0.4333, 0.4825



35.6717, 0.3473, 0.5141



35.6717, 0.2572, 0.4691

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.6717, 0.3473, 0.5141



35.6717, 0.1547, 0.2057



35.6717, 0.4473, 0.2845

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.6717, 0.3473, 0.5141



9.9090, 0.2406, 0.1432

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.6717, 0.3488, 0.2306



35.6717, 0.3473, 0.5141



35.6717, 0.1871, 0.1862

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.6717, 0.3473, 0.5141



35.6717, 0.1538, 0.2624



35.6717, 0.2530, 0.1959



35.6717, 0.5027, 0.3489

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6717, 0.3473, 0.5141



35.6717, 0.2070, 0.3997



35.6717, 0.2530, 0.1959



35.6717, 0.4170, 0.2649

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.6733, 0.3473, 0.5141



73.0463, 0.3266, 0.3814



22.0307, 0.4641, 0.4076



15.6824, 0.3284, 0.3890



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.6733, 0.3473, 0.5141



61.9812, 0.3459, 0.5462



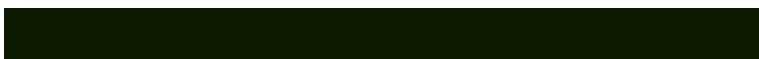
32.7081, 0.3037, 0.5415



9.6972, 0.3191, 0.3520



24.4230, 0.3394, 0.5687



0.8030, 0.3610, 0.5516

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.9090, 0.2406, 0.1432



12.5364, 0.2206, 0.1109



15.3152, 0.3171, 0.1790



8.4265, 0.3059, 0.3060



3.7760, 0.2012, 0.0882



0.1536, 0.2331, 0.1058

Previews

White Background



This preview shows how the Yxy color 35.6717, 0.3473, 0.5141 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.6717, 0.3473, 0.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

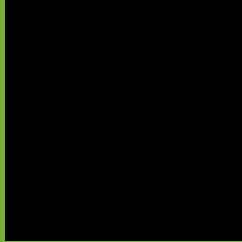
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6717, 0.3473, 0.5141

Background



This preview shows how black text looks on a background with the Yxy color 35.6717, 0.3473, 0.5141.



This preview shows how white text looks on a background with the Yxy color 35.6717, 0.3473, 0.5141.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.6717, 0.3473, 0.5141

Protanopia

35.3398, 0.4213, 0.4652

Deuteranopia

35.3179, 0.4418, 0.4343



Tritanopia

35.3992, 0.2762, 0.3079

Trichromacy



Original Color

35.6717, 0.3473, 0.5141

Protanomaly

35.0814, 0.3925, 0.4847

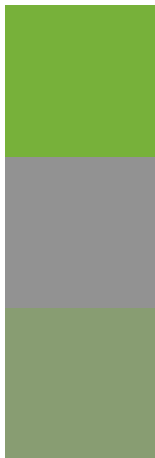
Deuteranomaly

34.7456, 0.4055, 0.4636

Tritanomaly

34.8710, 0.3057, 0.3839

Monochromacy



Original Color

35.6717, 0.3473, 0.5141

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.5631, 0.3309, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6717, 0.3473, 0.5141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(119, 177, 58)` looks like.

```
.text, #text, p{  
    color:rgb(119, 177, 58)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(119, 177, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 177, 58) }
```

Border

The CSS property to change the border of an element to Yxy 35.6717, 0.3473, 0.5141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 177, 58) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(119, 177, 58) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(119, 177, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 177, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 177, 58);  
box-shadow:4px 4px 4px 4px rgb(119, 177,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6717, 0.3473, 0.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 177, 58) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(119,  
177, 58) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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